

**WHAT IS CLAIMED IS:**

1. A lottery service system, comprising:
  - an integrated circuit card for storing information;
  - a server; and
  - a terminal interconnected to the server through a network, said terminal comprising:
    - a card reader section for reading/writing information in the integrated circuit card for recording a subtraction of a service charge for a user of the integrated circuit card from fund information stored in the integrated circuit card;
    - a card verification section for verifying the integrated circuit card read by the card reader section;
    - a display section for displaying a user interface of a lottery service for the user of the integrated circuit card;
    - an input section for receiving input of information from the user;
    - a memory section for storing information from the user interface displayed on the display section; and
    - a first communication section interconnected to the network, so as to transmit the information of the integrated circuit card read by the card reader section and the information inputted through the input section to the server, and to receive the information transmitted from the server;
- and
- said server further comprising:

20 a second communication section interconnected to the network, for transmitting and  
21 receiving lottery service information;

22 a lottery ticket sale information storage section for storing information about a lottery  
23 ticket sold through said terminal;

24 a lottery ticket information generation section for generating an intrinsic identification  
25 code of a lottery ticket sold to the user;

26 a cipher algorithm section for permanently storing a verification cipher algorithm for  
27 generating a cipher value with respect to the information received by the terminal;

28 a lottery ticket purchaser verification section for comparing the cipher value generated  
29 in the cipher algorithm section when winnings are paid with a cipher value stored in the lottery ticket  
30 sale information storage section; and

31 a control section for controlling sections of the server.

2. The lottery service system of claim 1, said integrated circuit card further comprising:

3 a memory section capable of recording and erasing information, for storing information about  
the integrated circuit card and information on a fund for paying for the lottery service;

4 a cipher algorithm section for storing a verification cipher algorithm for generating a cipher  
5 value from the information stored in the memory section of the integrated circuit card; and

6 an input/output section for transmitting information stored in the memory section to external  
7 systems and receiving information transmitted from the external systems.

1           3.     The lottery service system of claim 2, the memory section of the integrated circuit  
2 card further comprising:

3                 a manufacturer sector for storing information in relation to a manufacturer of the integrated  
4 circuit card;

5                 an issuer sector, for storing information in relation to an issuer of the integrated circuit card;

6                 a fund information sector, for storing fund information capable of being expended by the  
7 integrated circuit card;

8                 a fund information backup sector, for storing a backup of fund information stored in the fund  
9 information sector;

10                a card verification key sector, for storing a card verification key for confirming if the  
11 integrated circuit card is available; and

12                a user sector, for storing lottery ticket information of the lottery ticket purchased in the  
13 terminal by means of the integrated circuit card, the lottery ticket information including at least one  
14 of the type of the lottery ticket, a lottery ticket dedicated fund, lottery ticket deposits, personal  
15 information of the purchaser, details of the purchase of the lottery ticket, an intrinsic purchase  
16 identification code of the lottery ticket, a secret purchase code of the lottery ticket, and a winning  
17 identification code of the lottery ticket.

1           4.     The lottery service system of claim 3, said lottery ticket information generation  
2 section having means for generating an intrinsic identification code which is an intrinsic purchase  
3 identification code when a user purchases a lottery ticket or a winning identification code when the

lottery ticket sold to the user is a winning ticket.

5. A lottery service method, comprising:

determining that an integrated circuit card placed in a terminal of a system by a user is normal;

when the integrated circuit card is determined to be normal and when the user selects a lottery service, then performing a lottery transaction including issuing a lottery number at the terminal and storing transaction information about the issued lottery number in the integrated circuit card; and

issuing winnings for a winning lottery number at a terminal of the system only when the integrated circuit card in the terminal is determined to be the same integrated circuit card used when the lottery number was issued.

6. The lottery service method of claim 5, further comprising:

when the user selects a lottery service, determining that the user is an adult; and

when the user is not determined to be an adult, then refusing to perform a lottery transaction.

7. The lottery service method of claim 6, said step of determining that the user is an adult

further comprising:

requesting the user to input a user identification code at the terminal;

transmitting the inputted user identification code to a server connected to the terminal; and

5 determining if the inputted user identification code is in a database stored at the server.

1 8. The lottery service method of claim 7, further comprising:

2 the inputted user identification code being a social security number or residence code.

1 9. The lottery service method of claim 7, further comprising:

2 after determining that the user is an adult, requesting additional personal information from  
3 the user.

4 10. The method of claim 5, said step of performing a lottery transaction further comprising:  
5 changing a value stored on the integrated circuit card corresponding to a lottery fund, to debit  
6 the price of the lottery transaction from the lottery fund.

7 11. The method of claim 10, said step of performing a lottery transaction further comprising:  
8 transmitting details of the lottery transaction to a server connected to the terminal.

1 12. The method of claim 10, further comprising:

2 when the price of the lottery transaction is greater than the value of the lottery fund, then  
3 refusing to complete the transaction.

1 13. The method of claim 5, said step of determining that the integrated circuit card is normal

2 further comprising:

3 generating in the integrated circuit card a cipher value based on a card verification key stored  
4 in the integrated circuit card, and transmitting the generated cipher value to the terminal.

1 14. The method of claim 5, further comprising:

2 in performing the lottery transaction, receiving an intrinsic purchase identification code from  
3 a server connected to the terminal and storing the intrinsic purchase identification code both in the  
4 server and in the integrated circuit card in the terminal.

15. The method of claim 5, further comprising:

2 in performing the lottery transaction, printing details of the transaction on a printer in the  
3 terminal.

16. The method of claim 5, further comprising:

2 when the user is connected to a web site connected to a server of the system and the user  
3 inputs the number of a purchased lottery ticket, then checking the inputted lottery number to see if  
4 the lottery number is a winning number and transmitting this information to the user.

1 17. The method of claim 14, further comprising:

2 transmitting an intrinsic purchase identification code from an integrated circuit card in a  
3 terminal to a server; and

4           checking the intrinsic purchase identification code transmitted to the server against a database  
5           to determine if the user of the integrated circuit card has purchased a winning lottery number.

1           18. The method of claim 5, said step of issuing winnings further comprising:  
2           when the user has purchased a winning lottery number, determining if the user has won a  
3           large winnings or a small winnings; and

4           when the user has won a small winnings, changing a value stored on the integrated circuit  
5           card corresponding to a lottery fund, to debit the price of the lottery transaction from the lottery fund.

1           19. The method of claim 18, further comprising:  
2           when the user has won a large winnings, requesting the user to select a winnings payment  
3           method; and

4           when the user selects a bank payment method, transmitting inputted bank payment  
5           information to the server.

1           20. The method of claim 18, further comprising:  
2           when the user has won a large winnings, requesting the user to select a winnings payment  
3           method; and

4           when the user selects an account transfer method, transmits account transfer information  
5           inputted by the user to the server 30.

1           21. The method of claim 19, further comprising:

2           when the user selects an account transfer method, transmits account transfer information  
3 inputted by the user to the server 30.

1           22. The method of claim 18, further comprising classifying winnings into large or small

2 winnings based on the value of the winnings.

1           23. The method of claim 18, further comprising classifying winnings into large or small

2 winnings based on the prize level of the winnings.

1           24. The method of claim 5, the lottery service being an instant lottery service in which  
2 winnings are issued for a winning lottery number at the terminal of the system before the user has  
3 removed the integrated circuit card from the terminal.

1           25. The method of claim 5, the lottery service being a lotto-type lottery service, and further  
2 comprising:

3           performing a drawing to determine a winning lottery number after the user has removed the  
4 integrated circuit card from the terminal.

1           26. The method of claim 5, further comprising:

2           providing a communication service to the user of the integrated circuit card using the card



3 as means of payment for the communication service.